

176_61752_ST25.txt
SEQUENCE LISTING

<110> MILLER, Benjamin L.
STROHSAHL, Christopher M.

<120> METHOD OF IDENTIFYING HAIRPIN DNA PROBES BY PARTIAL FOLD ANALYSIS

<130> 176/61752

<140> 10/584,875
<141> 2006-06-29

<150> 60/533,894
<151> 2004-01-02

<150> PCT/US2005/000053
<151> 2005-01-03

<160> 14

<170> PatentIn version 3.5

<210> 1
<211> 960
<212> DNA
<213> Artificial

<220>
<223> Partial gene sequence of *Bacillus anthracis* pag gene

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| | aagaactttt ctttaccat ggatttctaa tattcatgaa aagaaggat taaccaaata | 120 |
| | taaatcatct cctgaaaaat ggagcacggc ttctgatccg tacagtgatt tcgaaaaagggt | 180 |
| | tacaggacgg attgataaga atgtatcacc agaggcaaga ccccccttg tggcagctta | 240 |
| | tccgatttga catgtatgata tggagaatat tattctctca aaaaatgagg atcaatccac | 300 |
| | acagaataact gatagtcaaa cgagaacaat aagtaaaaat acttctacaa gtaggacaca | 360 |
| | tactagtgaa gtacatggaa atgcagaagt gcatgcgtcg ttctttgata ttgggtggag | 420 |
| | tgtatctgca ggatttagta attcaattc aagtacggtc gcaattgtac attcaatctc | 480 |
| | tctagcaggg gaaagaactt gggctgaaac aatgggttta aataccgtcg atacgcaag | 540 |
| | attaaatgcc aatatttagat atgtaaaatac tggacggct ccaatctaca acgtgttacc | 600 |
| | aacgacttcg ttagtgttag gaaaaatca aacactcgcg acaattaag ctaaggaaaa | 660 |
| | ccaaattaatg caaataacttg cacctaataa ttattatcct tctaaaaact tggcgccaat | 720 |
| | cgcattaaat gcacaagacg atttcagttc tactccaatt acaatgaatt acaatcaatt | 780 |
| | tcttgagttt gaaaaaacga aacaattaag attagatacg gatcaagtat atggaaatat | 840 |
| | agcaacatac aattttgaaa atgaaagagt gagggtggat acaggctcg aactggagtgaa | 900 |
| | agtgttaccg caaattcaag aaacaactgc acgtatcatt ttatggaa aagatttaaa | 960 |

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<210> 2
<211> 39
<212> DNA
<213> Artificial

<220>
<223> Hairpin probe BaPag668-706 specific for **Bacillus anthracis** pag gene

<400> 2
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<210> 3
<211> 34
<212> DNA
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<400> 3
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<210> 4
<211> 350
<212> DNA
<213> Artificial

<220>
<223> Partial sequence of **Staphylococcus aureus** genome

<400> 4
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tataatatca ataataaaacg aatagggggtg ttaatattga ttatTTTT gatTTTgtat 180
gtacgttggc agacacgaaa aaatgtggtg acaaagtgc tttaaagcat gtggcttaac 240
ggaaccatca tctaaagaaa tatggaaata cctattgaag aatcatTTT aaaatttagca 300
gaccgaccat agcatttagca aagttaatcg atacatTTT acatacatat 350

<210> 5
<211> 33
<212> DNA
<213> Artificial

<220>
<223> Hairpin probe AH2 specific for **Staphylococcus aureus** genome

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<210> 6
<211> 37

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<212> DNA
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<220>
<223> Hairpin probe BH2 specific for *Staphylococcus aureus* genome

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37

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<210> 8
<211> 34
<212> DNA
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<210> 9
<211> 33
<212> DNA
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<210> 10
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37

<210> 11
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<213> Artificial

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<220>
<223> Hairpin probe with modified stem

<400> 11
cgacgtttct ttcaccatgg atttctaata ttcatgaaaa gaaacgtcg 49

<210> 12
<211> 39
<212> DNA
<213> Artificial

<220>
<223> Hairpin probe with modified stem

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<210> 13
<211> 44
<212> DNA
<213> Artificial

<220>
<223> Hairpin probe with modified stem

<400> 13
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<210> 14
<211> 34
<212> DNA
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<220>
<223> Hairpin probe with modified stem

<400> 14
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